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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Basic Imagery Interpretation Report

PETROVKA NAVAL BASE AND SHIPYARD (SHIPYARD ACTIVITIES, DECEMBER 1976--APRIL 1978) (TSR)

STRATEGIC WEAPONS INDUSTRIAL FACILITIES
USSR
JULY 1978

Top Secret

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INSTALLATIO	N OR ACTIVITY NAME	COUNTRY
Petrovka	Naval Base and Shipyard (Shipya	ard Activities, December 1976April 1978) UR
NA MAP REFEREI	43-07-03N 132-20-17E	CATEGORY BE NO. COMIREX NO. NIETB NO.
	SATC, Series 200, Sheet 0291-6, sc	ale 1:200,000
LATEST IMAG	ERY USED	NEGATION DATE (If required)
		NA
	A	BSTRACT
USSR, fobtained 2.	rom December 1976 through Apri on This report of (TSR) Significant activity include	ficant activity at Petrovka Naval Base and Shipyard, il 1978. The earliest imagery in this time period was updates NPIC report dated May 1977. es the fitting-out of D-I nuclear-powered ballistic misce/overhaul of Y SSBNs and V-I nuclear-powered at-
tack sub (SSGNs) the comp the cons	omarines (SSNs), and the overlowed and Z attack submarines (SSs). Deletion of a repair hall, the identif	resolvement of F Signature of Interest-powered ac- naul/modification of E-II cruise missile submarines Facility changes during this reporting period included ication of a second repair hall under construction, and abrication building, an administration building with
reporting	position of combatants and selec-	nnotated photographs and an order-of-battle table by ted auxiliaries. Also included is an updated layout of porting position and a functional area analysis.
	BASIC	DESCRIPTION
Status/	Activity	
complete the hall,	by early 1976 and was operational probably on the north set of rail	when a Y SSBN was placed inside ls. The new transverser, completed in October 1976, for of this Y SSBN to the repair hall.
supports of the up The rem	orights for construction of repair l oval of the sections and the preser all 2 preclude sliding the doors of	a large portion of the upper door track and were removed, probably to facilitate the emplacement hall 2 since space between the two halls was limited. Indee of a security fence around the construction area of repair hall 1 to the north during the current stage of
it was al double ti double ti repair ha	nat of the original, the new transv rackage was probably necessary t ll.	n though the trackage for the transverser extension is erser carriage is able to transit between the two. This o accommodate the weight of an SSBN entering the
not be id	dentified as such until July 1977 six pairs of uprights had Although this bu	2 (Figure 3) began in the summer of 1975 but could when footings for uprights were observed. As of been emplaced. The dimensions of this new building alding is shorter than repair hall 1, it can accommobasin (i.e., through the D-I SSBN). Footings being
construct that an a repair ha sets are s sets on e 10" meter	ed between the north uprights of administration wing may also be a alls are not the same. Repair hall meters apart. Repair hall 2 has ather side of the center set consist s on either side of the center rails	f repair hall 2 and the adjacent steamlines indicate dded to this hall. The rail systems in front of the two 1 has three four-rail sets with 6-meter spacing. The a centerline set of rails with 6-meter spacing, but the of 11 rails each (Figure 3). These cover a distance of s. However, the distance between any group of seven oner rails of the two outer rail sets are 2 meters from
the cente	er set, and there is a 5-meter clea	arance between the outermost rails and the building le to hold three submarines simultaneously.

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(Continued p. 9)		
submarine was at the slanted pier (RP 22). By some deck plating had been removed. By the submarine had departed Petrovka.		25X1 25X1
to be a new arrival at the facility. This unit possibly went on the shelf for preoverhaul/repair inspection, since on the basin was flooded, and by the		25X1
submarine. On a Y SSBN was observed on the basin shelf where it remained through at least On the basis of the observations, this unit appeared		25X1 25X1
15. (TSR) On transfer dollies were positioned on the shelf to receive a		25X1
platform was being built around the reactor area. This unit left the shipyard between and was replaced by a Y SSBN which will be discussed later.		25X1 25X1
ARD(T) at RP 2. Plating had been removed in the area of the machinery spaces by By the submarine was out of the ARD(T), and by a partial work	¥	25X1 25X1
14. (TSR) A Y SSBN arrived at RP 4 by was in the	•	25X1
rine into the basin (Figure 4). This unit has been in the hall for the remainder of the reporting period.		
Between this submarine was moved into the repair hall. The scaffolding that had surrounded the submarine remained on the shelf and precluded launching the subma-		25X1
moved. The screw propellers had been removed by were positioned south of the basin inner gate, remained there through were gone.		25X1 25X1
basin shelf with scaffolding around the forward one-third of the hull and the sail planes re-		
13. (TSR) The Y SSBN which began overhaul at RP 6 in January or February 1976 remained in overhaul during this reporting period. By		25X1
shelf, and the Y SSBN previously at RP 4 was gone, indicating that the submarine at RP 4 had probably moved to RP 11. By the Y SSBN on the shelf had departed the base.		25X1
but RP 4 was not imaged; however, on coverage, the Y SSBN was still on the		25X1
it had returned to RP 2. By this unit had moved to RP 4 where it		25X1 25X1
12. (TSR) The Y SSBN which arrived at RP 2 during February 1976 continued its over- haul. Between the Y SSBN was moved to RP 1, but by		25X1
the shipyard between		25X1
a Y SSBN with a dark-toned sonar belt was at RP 22. This was either the same submarine with the sonar coated or a new arrival. Whichever the case, this submarine departed	۲	25X1
at the shipyard. A Y SSBN with a light-toned sonar belt which had arrived at RP 22 between remained at that position at least through On	•	25X1 25X1
11. (TSR) Six Y-class SSBNs were in various stages of overhaul/repair during this reporting period; three of these were completed. Each Y SSBN will be discussed in the order of arrival		051/4
Y-Class SSBN		
also went on sea trials in the fall of 1977.		
and left Komsomolsk by It fitted-out at Petrovka and went on sea trials in the fall of 1977. Unit 8 was launched by and left Komsomolsk by It		25X1 25X1
This unit probably left Komsomolsk by fitted-out at Petrovka over the winter, and went on sea trials in February 1977. Unit 7 was launched by		25X1 25X1
the launch of D-I SSBN unit 6 was never seen, it was confirmed by the movement of the ARD(T)transporter dockand launch support device. ² Unit 6 was launched between		25X1
10. (TSR) The launching of D-I SSBNs at Komsomolsk Shipyard Amur 199 and subsequent fitting-out at Petrovka continued through this reporting period. Although		25X1 25X1
Delta-Class SSBN		051/4
Submarine Activity		
proximity to the base may indicate an association between the two.	•	
constructed north of the building. Heating lines are being installed which seem to tie this building to the base. Another new civil defense area, designated area 2, is northwest of the shipyard. Its		
shop wing is A basement shelter was constructed under the engineering section of the building, and an additional subsurface personnel shelter is being		25X1
tion north of the shipyard. It contains a probable engineering building with a light fabrication/shop wing. The engineering building is The light fabrication/		25X1
9. (TSR) A new civil defense area, designated area 1 (Figures 1 and 2), is under construc-		25X1
four stories high and is The shed/warehouse extensions are		25X1
8. (TSR) Construction continued on the administration-type building and two attached sheds/warehouses adjacent to reporting position (RP) 23. The administration-type building is		

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													1977													
y Z	SOBN . SEYA YIRSM	ISSAG & YTS in ARDITY	155AG 6 YTS H ARDITH RSS POLUCHAT	I SSAG & YTS IN AROUT! YO	D-I in AROIT), RSB	YTS R\$8	DIESEN ARD(T) WI ATA & YT YO	DISSEN ATA BYT III ARDITI YD	D4 SEBN ATA & YT Is AROIT! YD	ARDIT)	ARDITI	ARDITI	ARDITY	AROITI	ARD(T)	ARDITI POLUCHAT YPT PO 2 YAG	ARD(Y) YO 2 mirc		D-1 SSEN In ARDIT) YD POLUCHAT YPT ATA	POLUCHAT YPT	ARDITE	ARD(T) POLUDHAT YPT				
A	4 855N oprox 15 rob 85-N-6	YSSEM	Y SSBN ZEYA YRBN	Y SSBAI ZEYA YRSN	Y SCON ZBYA YPSN	Y SSDM ZEYA YHSN	V SSDN RSH ZEYA YRSN	Y SSBM RSB ZEYA YRSN	Y SSBN RSB Bolloet care	Y SEBN RSB ZEVA YRSN	Y SSSM RSB ZEYA YASN	Y BEEN RSB ZEYA YRSN	Y SERN RSB ZEYA YREN	Y SSBM RSB	Y 996N R18	Y SSBN RSB YT	Pos Y SSBN R\$9	Y SSBN PGØ	Y SSAN ZEYA YREN HSB	Y SSEN ZEYA YR\$N RSS	Y SSBN ZEYA YRSM RBB	A 228W	Y SSBN in ARD(T) RSB	Y SSBM In ARD(T) RSB	Y SSBN In ARDITI RSB	Y SSRN in ARD RSB, ZI YRSN.
٠,	ellest care D /36%	DH BSBN ZEYA YRSN YO	ONEGA AGH	YD	1 SSAG YD	I SSAG 1 prob substate bits to water	ISSAG+	I \$SAG+	D-I SSEN ZEYA YRBN	2 D-r StaNe YD	D-I STIEN YD	2 D-1 (SBN YD	D-I SSIEN YD	YF ZEYA YRBN	YF ZEYA YRSN	YR ZEYA YRSN	Pow ZEYA YASM	D-I SSBN YD (w/bulkert oans)		Ap	D4 850N YD	D-I SSBN ZEYA YRSN RSS YO	ZEYA YREN	2 D-I SSENI ZEYA YRSN YD	DH S18N ZEYA YRQN YO Barge	D-1 338 YD
OA	H SSBN in RD(f)	BARGE ATA AMGA AEM			155AG**	PAMIR ATR/AGI POLUCHAT YPT RSB LSSAG**	ZVSS ISSAGP*	YF Z-V 88 I SSAG**	YF Z-V 88 I SSAG**	Y 958N I 35AG**	Y SSEM I SSAG**	YSSBM ISSAG**	Y SCON I SSAG**	Y 938M I 85AG**	Y SSBN 1 SBAG**	Y SSBN I SEAG**	Post Y 939N	Y SSEN I SSAG**	Y SSBM I BEAG**	Y SSEN I GSAG**	Y SEBN I BBAG**	Y SSSM I SSAG++	Y SSBN I BSAQ**	Y SSEN I SCAG**	Y \$38W 158AG**	Y 3581 I \$8.46
v	YN YRB	VYN YRB	VYN YRS	VYN YRB	VYN YRB	VYW YRB	V-I SSN	V-I SSN	V-1 SSN	V-I SSN	V-I SSN	V-I SSN	V-I 85N	V-I SSN	V-I 95N	V-I \$5N	cc	V-I 55N	V-I 55N	V-I 35W	V-I 53N	V-I 55N	V-I SSN			YD
P)	M-124 YTGN DSN	N SSN	N SSN	N SSN	N SSN	N SEN	NESSN	N SSN	ZEVA YRSN N SIN	N BEN	N SBN			N SSN	N SSN	M SSM	cc		ZEYAYASN		N SSM	N SSN	N SSN	N SSN	N SSN	
						RES	VYN Yau		VALA ADSR VYN YRB	Z-V 68	Z-V 55	z-V 85	Z-V 95	Z-V 88	Z-V 88	Z-V 38	cc	Z-V S3	Z-V 88	Z-V 90	Z-V 20	Z-Y 88	Z-V 50	Z-V 89	Z-V \$8	z-v s
υ	lçon :	Ucan	Usen	Ugon	Usen	Y b Ueon	Ucon	Ucan	Uson	Uson	Urm	Veon	Uosn	Uson	Uzon	Ucon	cc	Ucon	tiean	Usen	Upon	Ucan		Usen.	Ucon	Ucon
	lson Transverger	Lican Transverser	Ucan Transverser	Usen Transverser	Upon Transperser	Ucon Corriage	Lican	Uros	Ucon	Uean	Ucon	Uesn	Usee	Uoon At BP 15	Uzon	Ucos	cc cc	Ueon	Ulean	Uzsn	Usen	Uson		Usen	Licon	Depa
41 Y 42	SSON on SHIT, RISH, YO	Y-358N on phet, RSS, VD ATA	Y-SSEN on shelf PISS	ot caisson Y-SSBN on shelf RSS	y-S68N on shelf ress	in front of hatters Soutfolding on abelt	Misc				,						cc		Doities		Detries	Dollies		Dellies V-I SSN	V-I SSN on RHELF	
		AIA	1133	HSS	Hos					Diamontie old Yearsynous	Diprogration of distribution of distributions of the distribution	Half gone	Helf game	Gora			cc			Liberd w/ basin	Lized of basis	Lined as/ basis				
2	93 -11 SEGN -11 SEGN	Z 96 E-11 385G/N	Z 55 E-H 590M	Z SS E-H SSGN	2 95 11-11 SSGN	7 66 5-11 55GN	Z SS E-II SSON	Z SS B-II SSGN	Z 68 E-II SSGN	Z 88 E-II SSGN	Z 95 E-II BSGN	Z SS E-II SSQN	Z 5S E-II SSGN	Z 59 E-H SSGN	Z SS E-II SSGN	Z SS E-II SSGN	CC	Z SS E-II SSGN	Z SS E-11 SSGN	Z 5S E-H SSGN	ZSS E-ITSSGN	2 88 E-II \$85N	2 56 E-II 85QN	Z 58 E-() 55GN	Z 89 E-II SSGN	2 55 E-it 51
	1138GN	E-11585M	6-H 58GN	E-III 650W	E /I SSGN	D-II 55GM								E-II SEGN	E-II SSGN	E-ITSSGN E-ITSSGN	CC	E-II SSGN	E-II SSGN	6-II 890N	E-11 SSGN	E-II SSGN	E-II 55GN	E-II SSGN	E-II SEGN	E-11 S
¢4	nong rubal	EII 88GN PETYA-I FFL Plerator	PETYAL FFL PRESENT	F-II SSGN PETVA-I FFL Pily sect	E-II SDGN PETYA-I FFL Plet sect	E-II 65GN PETYA-I FFL Pir seci	E-II 58GN Plar pact	E-II SSQN Pier sect	E-II SSQN Pist sect	E-II SOON Plar over	E-H SSGN Flar papi	E-II 88GN Pinc secs	E-H SSON Pier seet	Pior rece	Pior JDK	Pior eagr	CC CC	Pleaset.	Firesca	Pler sent	Pler sact	Pler such	Pler quoi	P(or sect	Pier seci	Mar e
	ler sect	ZEYA YRSN REB	ZEYA YRSN RSB	RS8	RSB	R18	RSB ZEVA YRSN	RSB ZEYA YESN	RSB YD	RSB YD	ASB YD	RSB	nsa	ASB YD	R88 YD	RSB	cc	PS9 YD	RSB	R\$8	R\$8	RSB	YD RSB ZEYA YRSN	RSS ZEYA YRŞN	R58	RS8
**	YM YRB.	VYN YRB YD, YTM	NAM AMB	VYN YRE	VYN YRB POLUCHAT YPT	VYN YFR	VYN YRB	VYN YRB YT, PO 2 YAB 2 mine	VYN YRB PRUT ASR YT. min	VYN YRB PRUT ASR, YT PO 2 YAG, 2 YFL YT	VYN YRB PRUT ASR PO 2 YAG	WYN YRR PRUT ASR YD, YT	VYN YRR PRUT ASR YD. YT	VYN YRB PRUT ASR	YVN YRB PRUT ASR	VYN YRB RUT ASR	cc	VVN YRE PRUT ASR	VYN YRB PRUT ASS	VVN VRB PRUT ASR 4 mips	YYN YRB FRUT ASR 4 min	VYN YRB FRUT ASR 4 mins	VYN YNB Poss PRUT ASR	VYN YRB PRUTASR	VYN YAS PRUT ASR	VYN
	88AG* -V 8S	Z 85AG* Z-V 66 POLUCHAT YPT	Z 58AG+ Z-V \$5	Z 88AG*	Z SSAG*	Z SSAG*		PETYA-I FFL POLUCHAT YPT	PETYA-1 PPL POLUCHAT YPT	PETYA-1 FFL POLUCHAT YPT	PETYA-I FFL POLUCHAT YPT	FETVAIFFL	PETYA-I FFL	PETYA-FFL POLUCHAT VPT	PETYA-I FFL POLUCHAT YPT	PETYA-I FFL	DG	PETYALFFL	PETYA-FFL YD	PETYALFFL	PETVA-I FEL Miso	FETYA-I FFL Miss	ec	PETYA-I FFL RES ATA POLUCHAT YPT	PETYA-I FFL Z SSAG*	PETY Z SS/
				Z-V 88	Z V 85	2.V 98	Z 55AG*	2 SSAG*	Z 85AG*	Z SSAG*	Z SSAG 4	Z SSAG*	Z SEAG*	2 SSAG*	Z SSAG*	Z SSAG*	cc	Z SSAG*	Z 98AG*	Z 22AG*	Z SSAG*	Z SSAG*	cc	Z SSAG*		
SACONS	EYA YRSN 1RSBs 11SSN 5-N-5 (12	Y \$3800 V-1 \$200 2 PM-124 YRISMs 3 RSBs 16 \$3-0-6 bellest cens (12 '	Y \$36N V-1 SSN 2 RS89 2 PM-126 YRSN4	Y \$58N V-1 58N 2 H581 2 FM-124 YRSNs 2 EYA YREN	Y SSBN V-I SSN 2 RSBs 2 Pts 124 YRSNs ZEVA VPSN	Y SSBN V-I SSN Z PISBI 2 PM-124 YRSNII ZEYA YREN	V-I SSN E-II SSGM 3 RS88 2 PM-124 YRSNs	V-4 55N E-II 59GN 3 RSBs 2 Mb-124 YRSNs	V-I SON E-II SOGN 3 RSBs 2 PM-124 YRSNs	V-I SSN/ E-II SBGN 3 PSBs 2 PM-I 24 YRSNs ZEYA YRSN	V-185M E-II 55GN 3 R58s 2 M&-124 YR5Ns 2 EYA YRSN	V-185N E-II 30GN 3 RSBs 2 MA-124 YRSNs 2 EYA YRSNs	V-158N E-H38GN 3 RSB: 2 PM-124 YRSAS 2EYA YRSN	V-1 88N E-II 35GM 3 RSB: 2 PM-124 YRSNs 2 EVA YRSNs	V-I SSM E-II RSGN 3 RSBs 2 MI-124 YRSNs 2 EYA YRSN	V-I SSN 6-II SSGN 3 R58i 2 PM-124 YRSNs ZEYA YRSN	oč	V-I SSM E-H SSGN 3 HSSI PM 124 YRSN ZEVA YRSN	V-I SSM 6-II SDGN 3 RSBI Pb-124 YRSN	V-I SSN 6-II SSGN 3 R551 PM-124 YRSM	V-1 SSR E-H SBGN 3 RSBs PM-124 YRDN	V-135N E-II SEGN 3 RSBs FM-124 YRSN	cc	V-I SSN E-II SSGN+++ 2 R58s 2%-124 YRSN 2 misc	V-I SEN B-II SEGN 3 RESS VALA AGER ZEYA VRSN PM-126 YRSN	V-) 55 3 RS6 ZEYA PM-13
	satiosa cano s vvena+)	4 on plant																								0.0
		ATA					DISSBA	2 miss	Bergh			YF	AE	barpe	perge	MD perge	ac .	Miss			2 MOst	2 mise 2 barge	2 miss E-II SSGN+++	YD 2 miss	Zmbr Zmbr Zbarate	2 miss 2 bars
		ATA Cobis barge 2 berges	Ceble berge 2 bergee			D-I SSEN 2 RSSe Cable turge 2 barges		D-I dSBM 4 point mooring 2 barges Cebie berge	2 hwgzs	2 borges	2 barges	2 bergre	2 berges	2 berges	2 barges	2 barges Cable Swige	ec	ARD(T) (iowoned) 2 barges Cubfo berge	Z bergen Cable berge	2 barges Cable barge 0-1 SSBY in ARD-ITI++	2 barges Cable barge	2 harges Cubile barge	2 barges Cable barge	2 barger Cable barge	2 barger Cable barge	2 barg Geble
								2 spec purpose bergin VYN YRB 18 98 N-5 bottest cans VFL	2 SPth YPL 16 SS %-6 ballest core			2 SPB 16 SS-N-6 ballapi cami														

Gry surhorise.

400 oil decent.

500 own stormed.

500 own stormed.

130 own stormed.

150 own stormed

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YTHA YTH YTH D-1 698H MA D-1 556H YD D-1 558N D-1 556N YD Mise Mise D-1 558H DHISSBN CC INARDITH YD | Value | Valu Y SSEN IA Y SSEN Y SSEN Y SSEN Y SSEN Y SSEN ARD(T) ZEYA YRSH ZEYA YRSN YD Y SSBN ZEYA YASN Y SSBN Y SSBN Y SSBN Y SSBN Y SSBN HA
ZEYA YRSN RAI-YA YRSN
RAI-YA YRSN T 43 AGH CC Barge 2 mist T-63 ACH T-63 AGH T-6 Y SSBN I SEAG** Y SSEN I SEAG** Y SSEN Y SSEN I SSAG** I SSAG** Y 818M 1 35AG** HA NSSN H 55H Z V 55 YD YPL 2 R9Ss N SSN N SSN N SSN N SSN ZV SS ZV SS ZV SS ZV SS ZV SS VD VD VD YD Z-V S6 Ucon Ucon ZV SS Bleav Ween ZV SS ZV SS Dean Dean Usen Usen ZV 55 ZV 55 ZV 55 ZV 55 ZEYA YRSN ZEYA YRSN ZEYA YRSN ZEYA YRSN YFL YFL YFL YFL YFL ZF 5655 Z RISB Z YFL 2 RSDs Dollies 3 miss Z-V 58 Dottes Z 55 Z 55 E-ii 55GN E-ii 55GN E-ii 55GN E-ii 55GN V-i 55N V-8 55N HA
HA
E-H SSGN
HA
V-I SSGN
HA
Pler sect
Uccon
HA
RSB Z 35 E-II SSGN E-II SSGN E-II SSGN E-II SSGN V-I SSN V-I SSN E-H SSGN E-H SSGN CC V-I SSN V-I SSN CC CC E-II SEGN C-II S E-II SDON E-II S HA Z RSBe Y SSBN Z EYA YRSN 2 RSSs Y SSSN ZEYA YREN HA 2 burges. Cobie berge 2 burges Cable berge Zhorges Zhorges Zherges Zherges Cable barge Cable barge Cable barge Cable barge

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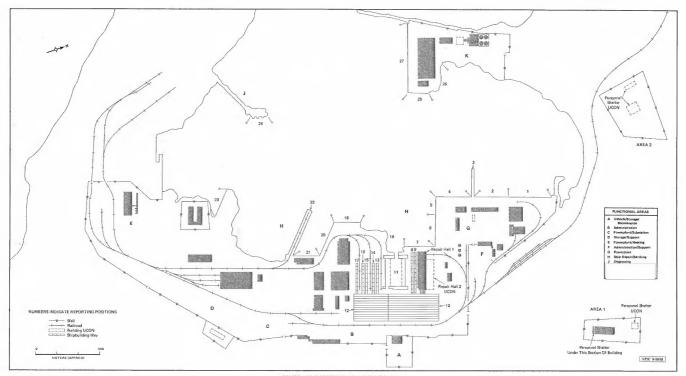
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F PETROVKA NAVAL BASE AND SHIPYARE

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Table 1. (Continued)
his table in its entirety is classified TOP SECRET RUFF
1978

Reporting										
Position 1	D-I SSBN	D-I SSBN		HA			Y-SSBN YD	Y SSBN YD	Y SSBN	ARD(T)
				IDO	Y SSBN	Y SSBN	YSSBN	Y SSBN	YSSBN	Y SSBN
2	Y SSBN ZEYA YRSN	Y SSBN	Y SSBN PM-124 YRSN ZEYA YRSN	100	PM-124 YRSN ZEYA YRSN	PM-124 YRSN ZEYA YRSN	PM-124 YRSN ZEYA YRSN	PM-124 YRSN ZEYA YRSN	PM-124 YRSN ZEYA YRSN YD	PM-124 YRSN
3	T-43 AGH YD	T-43 AGH ZEYA YR5N YD	T-43 AGH Y SSBN Y D	IDO	T-43 AGH	ZEYA YRSN Y SSBN T-43 AGH				
4	ARD(T)	ARD(T)	ARD(T)	100	ARD(T)	ARD(T)	ARD(T) w/ D-I SSBN	ARDIT) w/ D-I SSBN	ARD(T) w/ D-I SSBN	
- 5	PM-124 YRSN	PM-124 YRSN		IDO						
- 6	N SSN	N SSN	N SSN	OGI	N SSN					ZEYA YRSN
7	-			100						
- 8	YFL 2 RSBs	YFL 2 RSBs	YFL 2 988s	IDO	YFL 2 RSBs	YFL 2 RSBs	Not visible	Not visible	YFL 2 RSBs	2 FS8s
9	-			IDO						
10	•			100						
- 11	Z-V SS Dollles	Z-V SS Dollies	Z-V SS Dollies	IDO	Z-V SS on shalf					
12	-			100						
	_			IDO		Z-V 35	z-v ss	Z-V SS	z-v ss	Z-V SS
13		E-II SSGN	E-II SSGN	IDO	E-II SSGN	E-II SSGN	E-II SSGN	E-H SSGN	E-II SSGN	E-II SSGN
15	E-II SSGN E-II SSGN	E-II SSGN	E-II SSGN	IDO	E-II SSGN	E-II SSGN				
16	V-1 55N	V-I SSN	V-155N	IDO	V-I SSN	V-I SSN	V-I SSN	V-I SSN	V-I 55N	V-I SSN
17	Pier sect Ucon	Pler sect	Pier sect	IDO	Pier spot	Pler sect	Pier sect	Pler scot	Pier sect	Pier sect
18	RSB	R\$B	RSB	IDO	BSB	HSB	RSB	RSB	RSB	ASB
19	VYN YRB PRUT ASR	VYN YAB PRUT ASR	VYN YRB PRUT ASR	IDO IDO	VYN YRB PRUT ASR	VYN YRB PRUT ASR				
20	PETYA I FFL YD Z SSAG* Z SSAG	PETYA-I FFL YD Z SSAG* Z SSAG	PETYA-I FFL YD Z SSAG* Z SSAG	100	PETYA-I FFL YD Z SSAG* Z SSAG	PETYA-I FF Z SSAG* Z SSAG				
21	_			HDO						
22	2 RSBs Y SSBN ZEYA YRSN	2 RSBs Y SSBN ZEYA YRSN	2 RSBs Y SSBN ZEYA YRSN	IDO	2 RS8s Y SSBN ZEYA YRSN	2 RSBs Y SSBN ZEYA YRSN	2 RSBs Y SSBN ZEYA YBSN	2 RSBs. Y SSBN ZEYA YRSN	2 RSBs Y SSBN ZEYA YRSN	2 RSBs PM-124 YFS
23	-			100						
24	2 barges	2 barges	2 barges Ceble barge	IDQ	2 barges Cable barge	2 berges Cable berge	2 barges Cable barge	2 barges Cable barge	2 barges Cable bargs	2 barges Cable barge

CEV to Exwitch

Not -risk charter

CC -deut develope

CC -deut centred

18.-34x

10.0-44x

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16 (TSR) A Y SSBN which arrived at RP 3 by had moved to RP 2 by Between deck plating was removed, and by holes were in the reactor/machinery spaces. Between a work platform surrounded the opening. This unit is probably in the yard for a major overhaul.
17. (TSR) Between a Y SSBN arrived at RP 1. Between it either moved to RP 3 or left the yard. If this Y SSBN left the yard between
the one at RP 3 on was a new arrival. The exact events are impossible to determine.
18. (TSR) Although there was transverser carriage activity between early December 1977 and early January 1978 while the two Y SSBNs were on the shelf, it is unlikely that either unit went into or came out of the repair hall. Usually a unit is opened and decontaminated prior to major overhaul, which was not done with either of these units. Additionally, a unit usually goes into a covered repair facility if it is undergoing a major overhaul. The Y SSBN which went into the hall in May 1977 could not have completed an overhaul recore/refueling operation in that short a time frame.
E-II-Class SSGN
19. (TSR) Overhaul/modification work continued on E-II SSGNs. Three E-II SSGNs were on the repairways through the E-II which had been at RP 15 was moved to RP 22, probably for post-overhaul workup. This submarine remained at RP 22 through On an E-II SSGN was observed at the degaussing area (RP 24); although RP 22 was cloud covered, this was probably the same submarine. By the submarine was being repositioned at RP 22 and had temporary covers over the blast deflectors (Figure 5) which are possibly used during degaussing. This submarine left Petrovka between The E-II SSGN at RP 14 remained there throughout the reporting period. By the missile tubes were being retrofitted. The third E-II SSGN was moved from RP 16 to RP 15 between Its sail had been removed, and overhaul/modification work was underway.
V-Class SSN
20. (TSR) Two V-I SSNs were present during the reporting period. The first one had arrived at RP 22 by The hull was opened in the area of the reactor and machinery spaces, and a work platform surrounded the opening. By the pressure hull appeared to have been closed, and the submarine left Petrovka between The second V-I SSN arrived at RP 5 by transfer dollies for this submarine were in position on the basin shelf, and by the submarine had been moved to the repairway at RP 16 where it remained during the rest of the reporting period. No major overhaul work was observed on this unit.
N-Class SSN
21. (TSR) Although N SSNs were present at various times, no obvious external work was performed on any of these during this reporting period.
I-Class SSAG
22. (TSR) The I-class SSAG (auxiliary submarine), formerly 199D, was in the ARD(T) at RP 1 from through By this unit was at the fitting-out pier, RP 3, with one submersible alongside. By it had departed the shipyard. The training device associated with the I SSAG remained on the quay at RP 4 through The training device was subsequently seen at Vladivostok Submarine Base Ulisa Bay (BE
Z-Class SSAG
23. (TSR) The modification of Z-class SS to SSAG continued. The first unit remained at Petrovka throughout the reporting period and is presently outboard of the other Z SSAG at RP 20. The second unit, on which modification started in December 1975, had its bulbous bow removed in 1976. The pieces from the bow have remained in the yard behind the repairways. Training tower modifications to this Z SS continued through it had been launched and has continued its post-modification workup inboard of the first Z SSAG at RP 20. A Z-V SS (converted fleet ballistic missile submarineSSB) arrived at Petrovka by the Z-V SS was being positioned in the basin, and by it was on the repairway at RP 13, where the two previous Z-class SSs had been modified. No modification work has begun on this unit.

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Other Activity		
24. (TSR) By an export Petya-I small frigate (FFL), previously on the repairway at RP 17, was moved to RP 20 where it has remained. The construction of pier sections has continued at RP 17. Two pier sections were launched by and a		25X1 25X1
third pier section was launched by Between the three sections were taken from Petrovka and were next seen at Vladivostok Shipyard Ulis two rectangular support barges (RSBs) were put on the new open repairway at RP 8. This was the first time this repairway had been used. These barges have		25X1 25X1 25X1
been at this position through the remainder of the reporting period.	ā	
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REQUIREMENT		
COMIREX J01 Project 280059DJ		
(S) Comments and queries regarding this report are welcome. They may be directed to Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC,		25X1 25X1

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